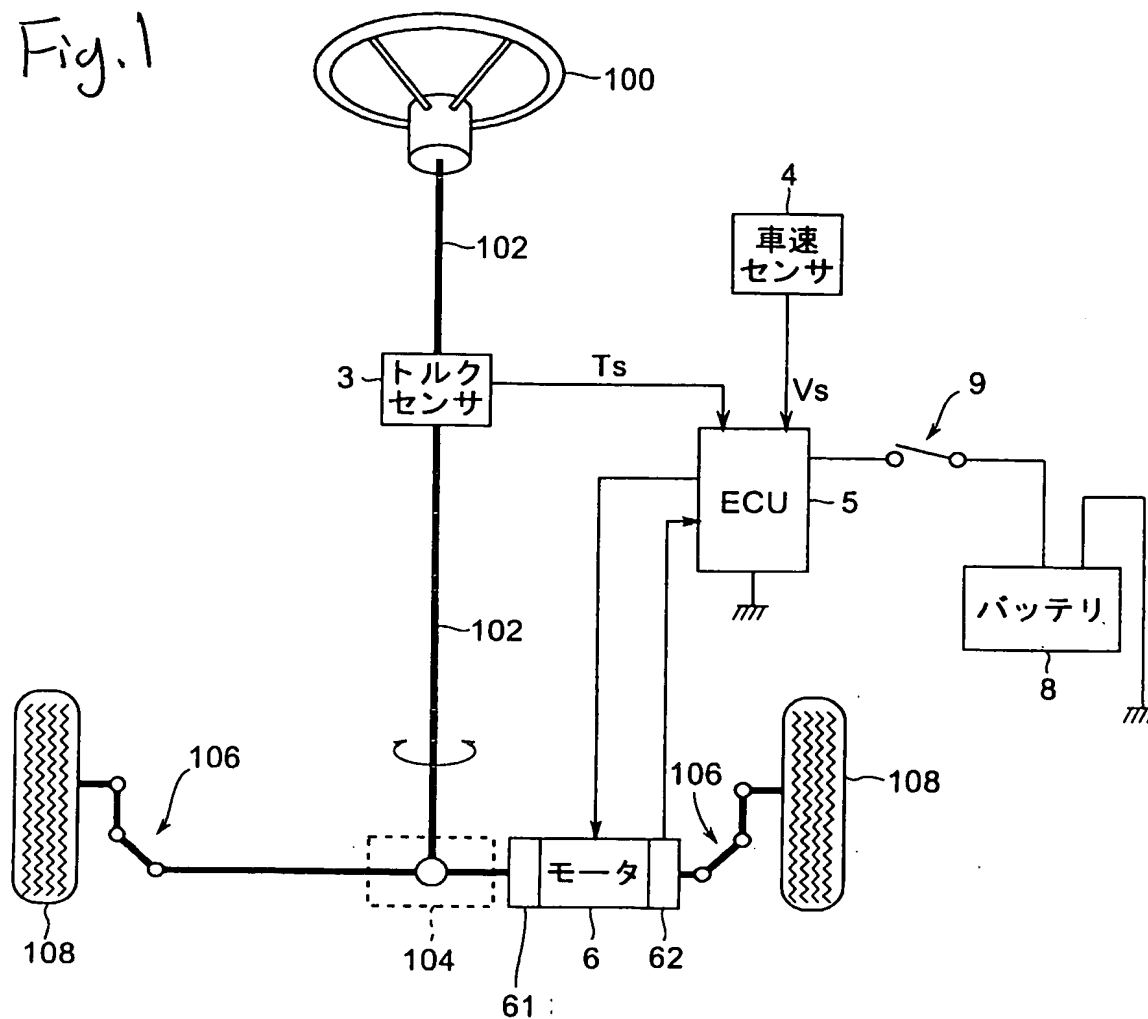


Fig.1



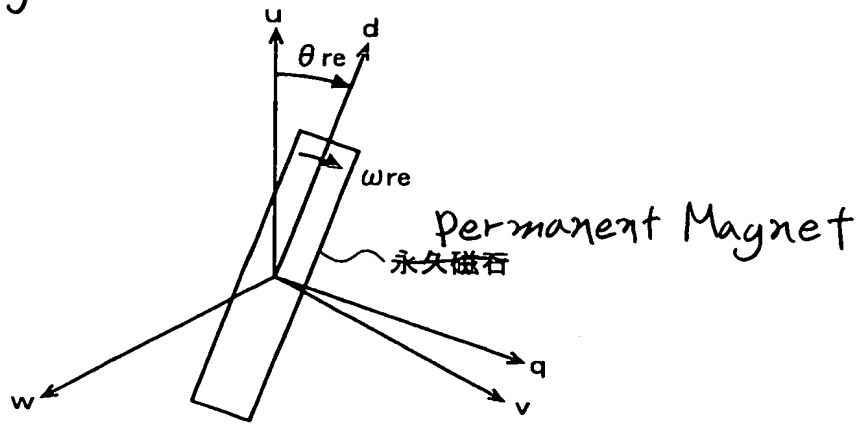
3: TORQUE SENSOR

4: VEHICLE SPEED SENSOR

6: MOTOR

8: BATTERY

Fig.2



152: MOTOR DRIVING CIRCUIT
154: V-PHASE CURRENT DETECTOR
156: U-PHASE CURRENT DETECTOR
162: ROTOR ANGLE POSITION DETECTOR
200: CURRENT CONTROL UNIT

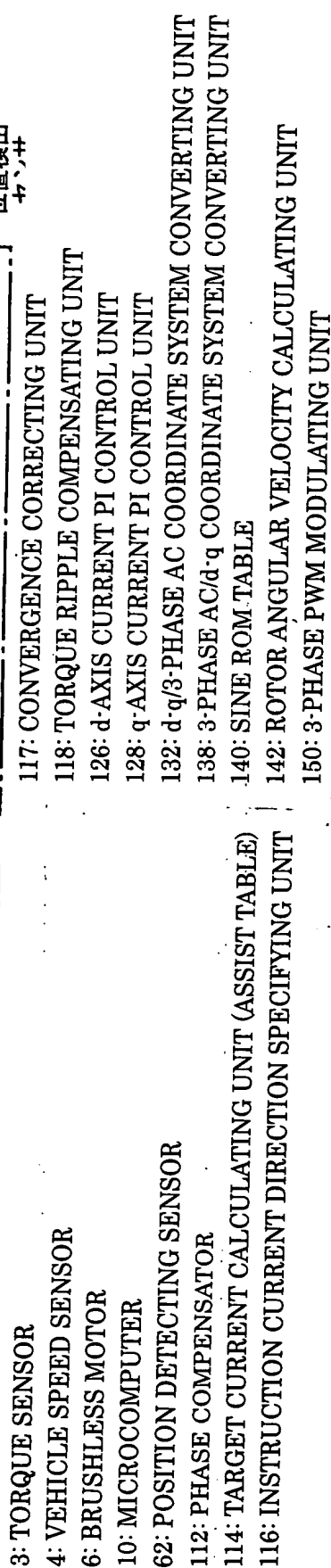


Fig. 4

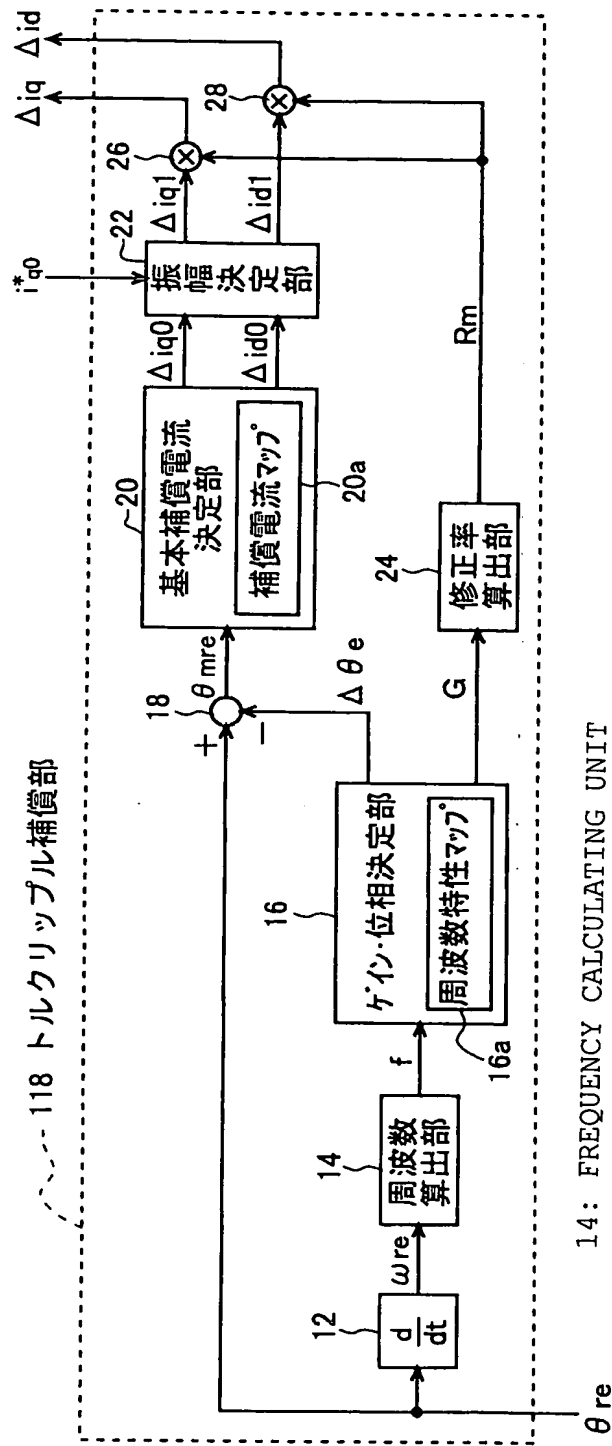
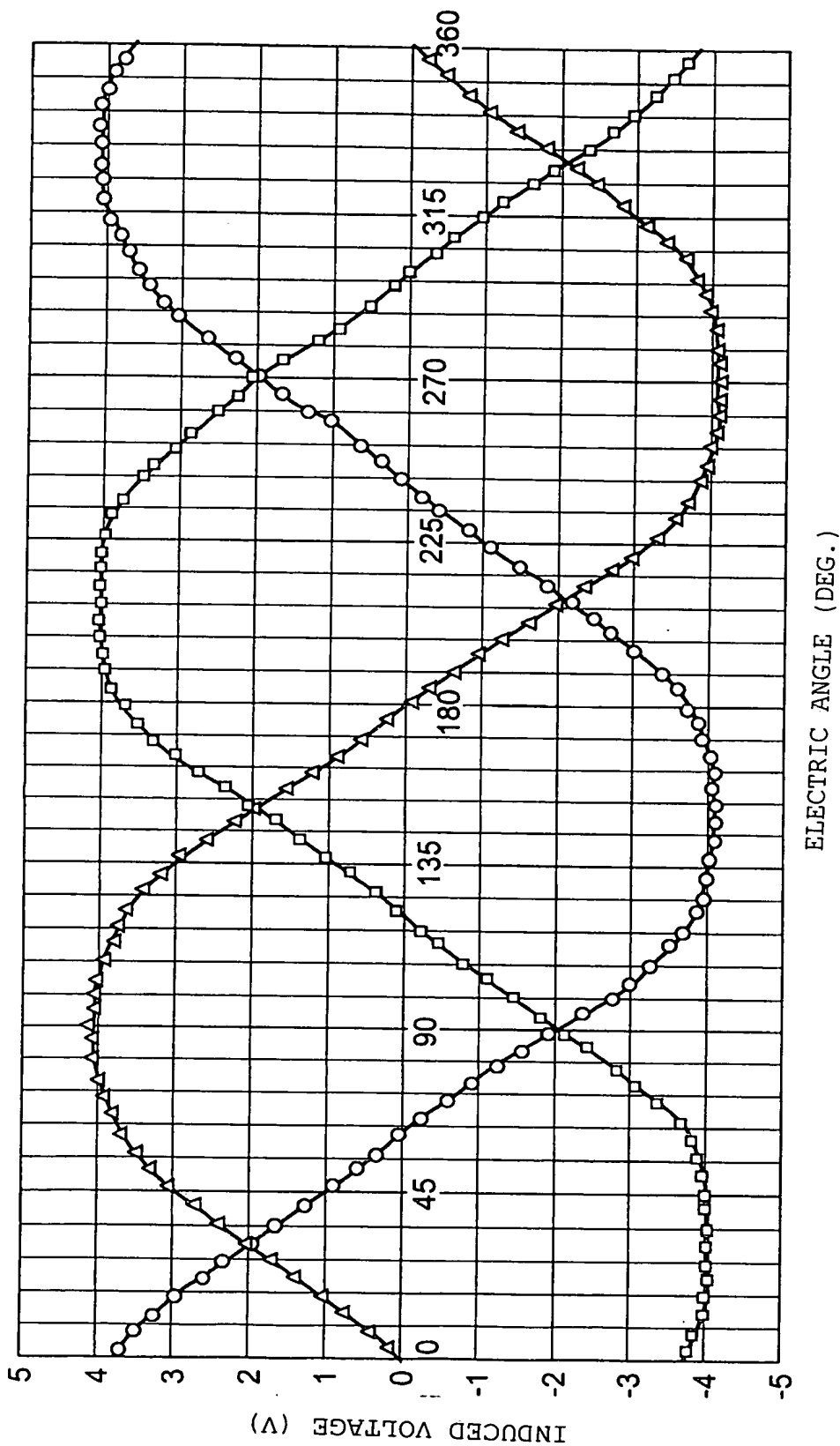


Fig. 5



Δ : U-PHASE INDUCED VOLTAGE
 □ : V-PHASE INDUCED VOLTAGE
 ○ : W-PHASE INDUCED VOLTAGE

Fig. 6

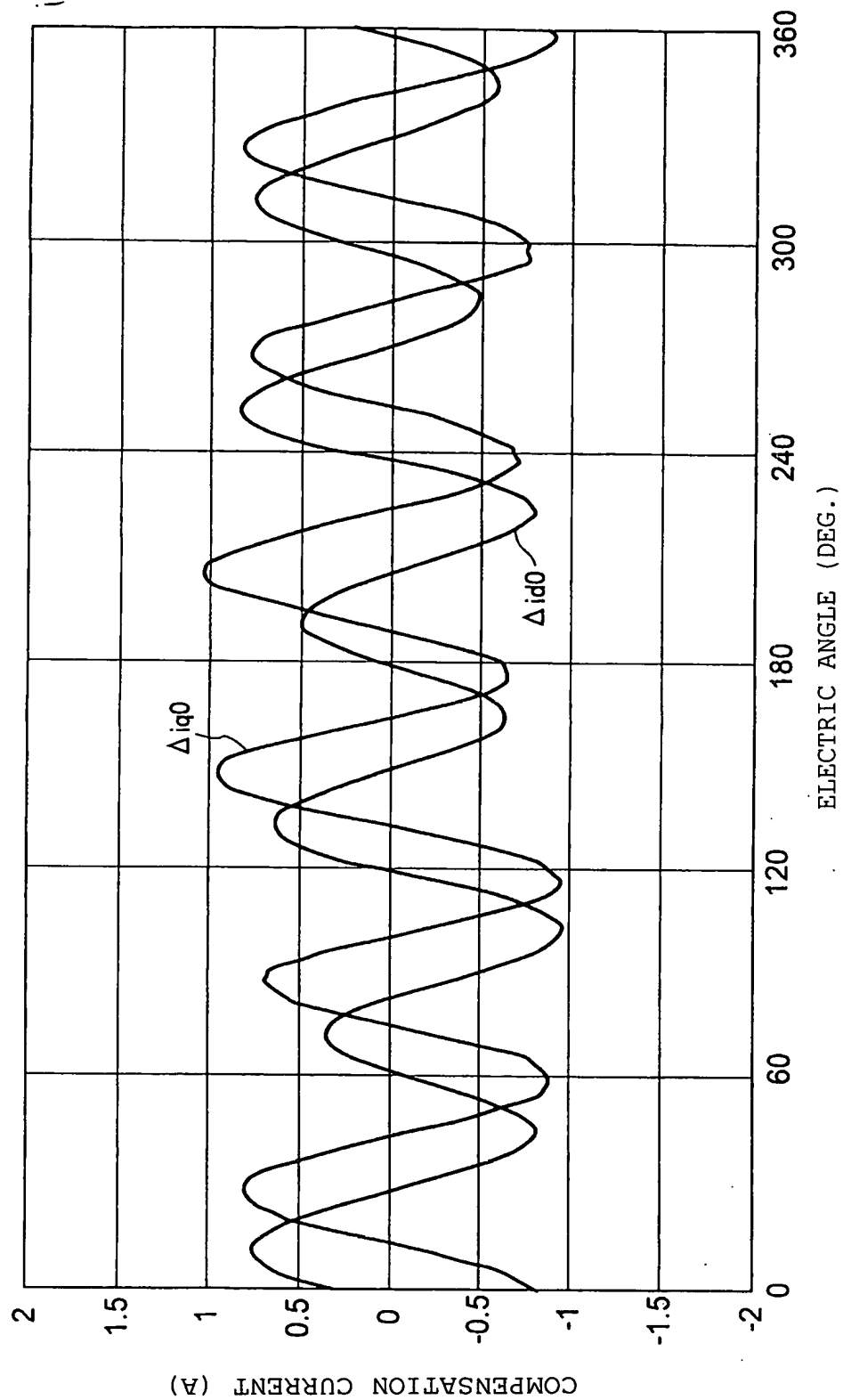


Fig. 7

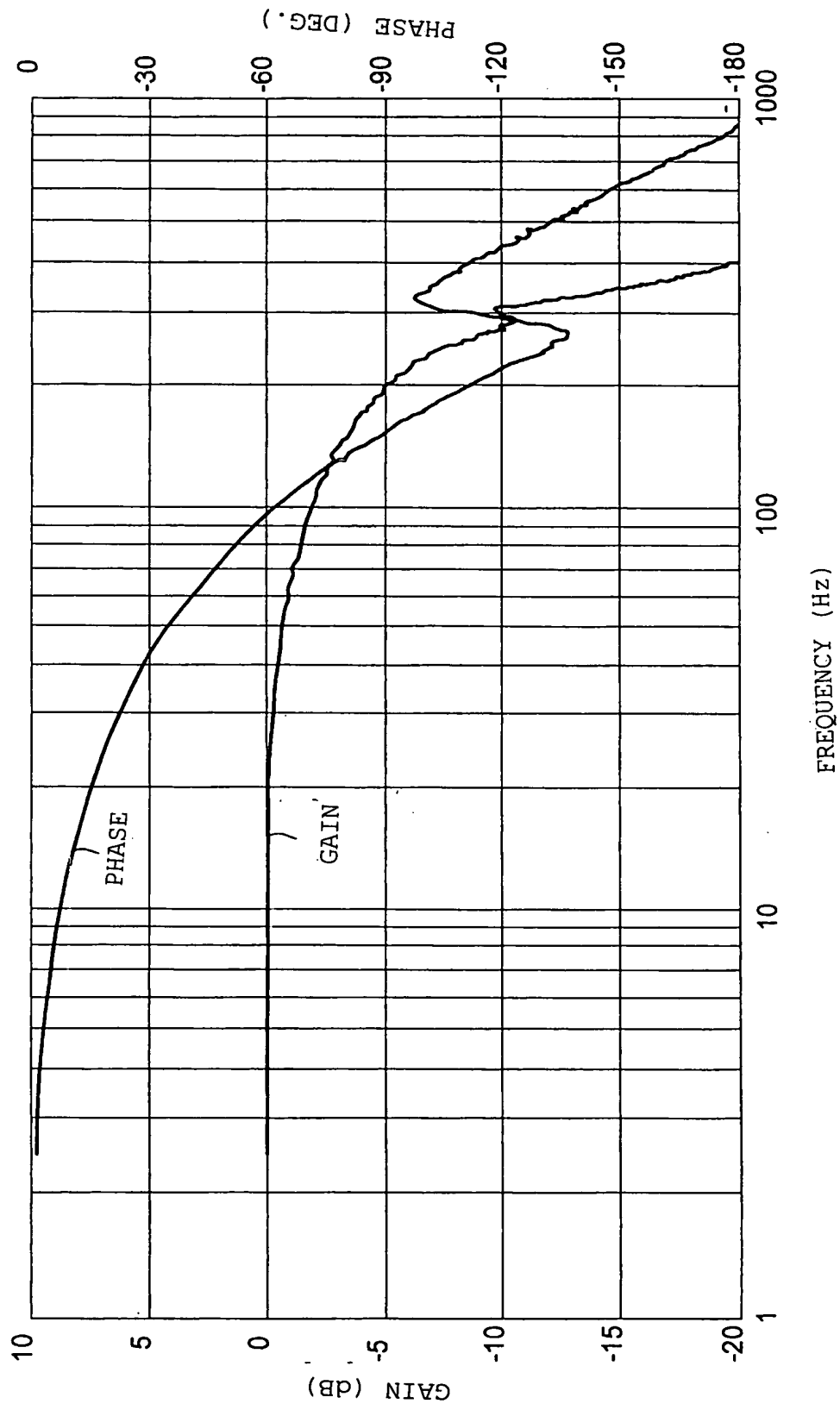
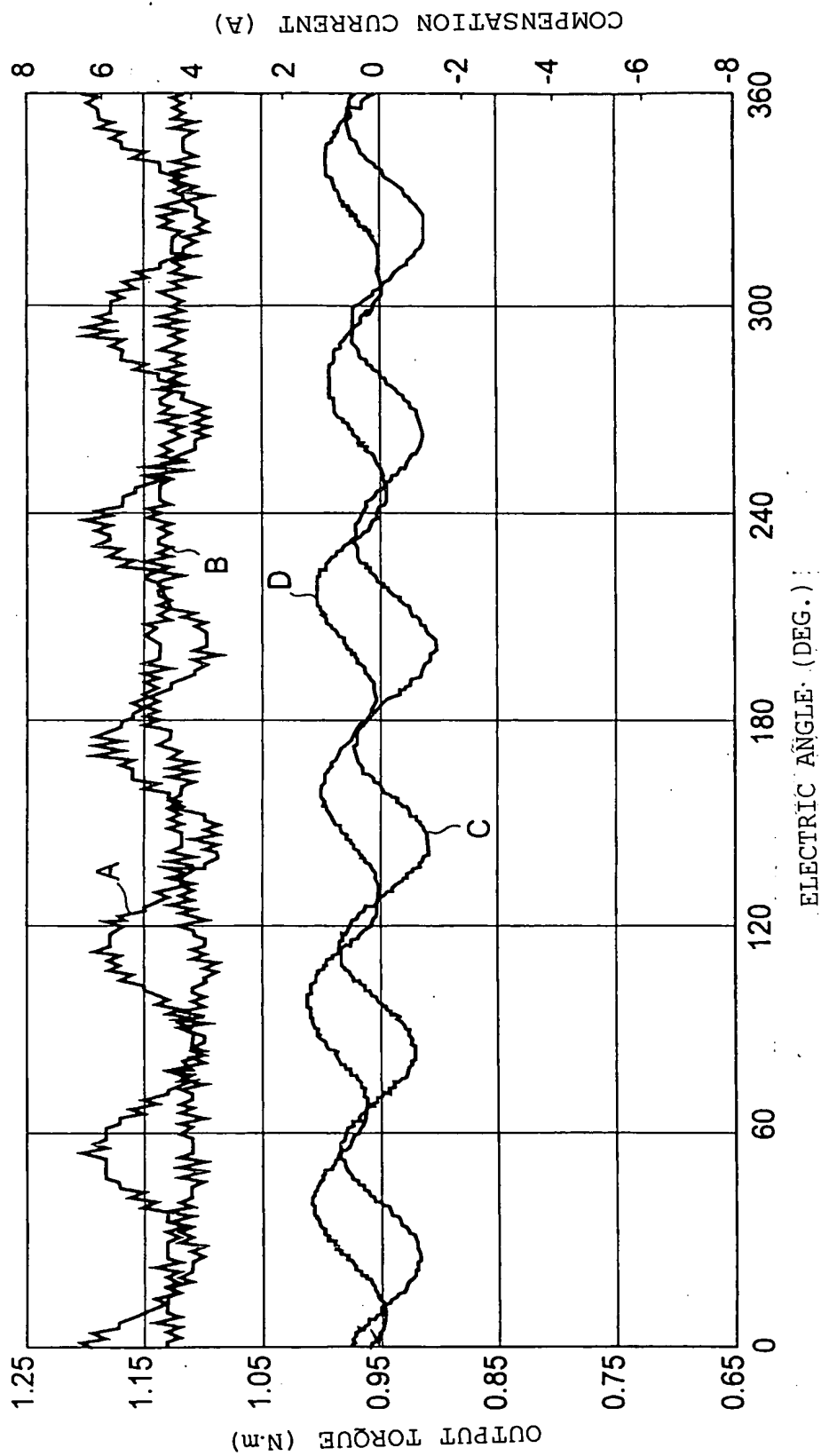


Fig.8



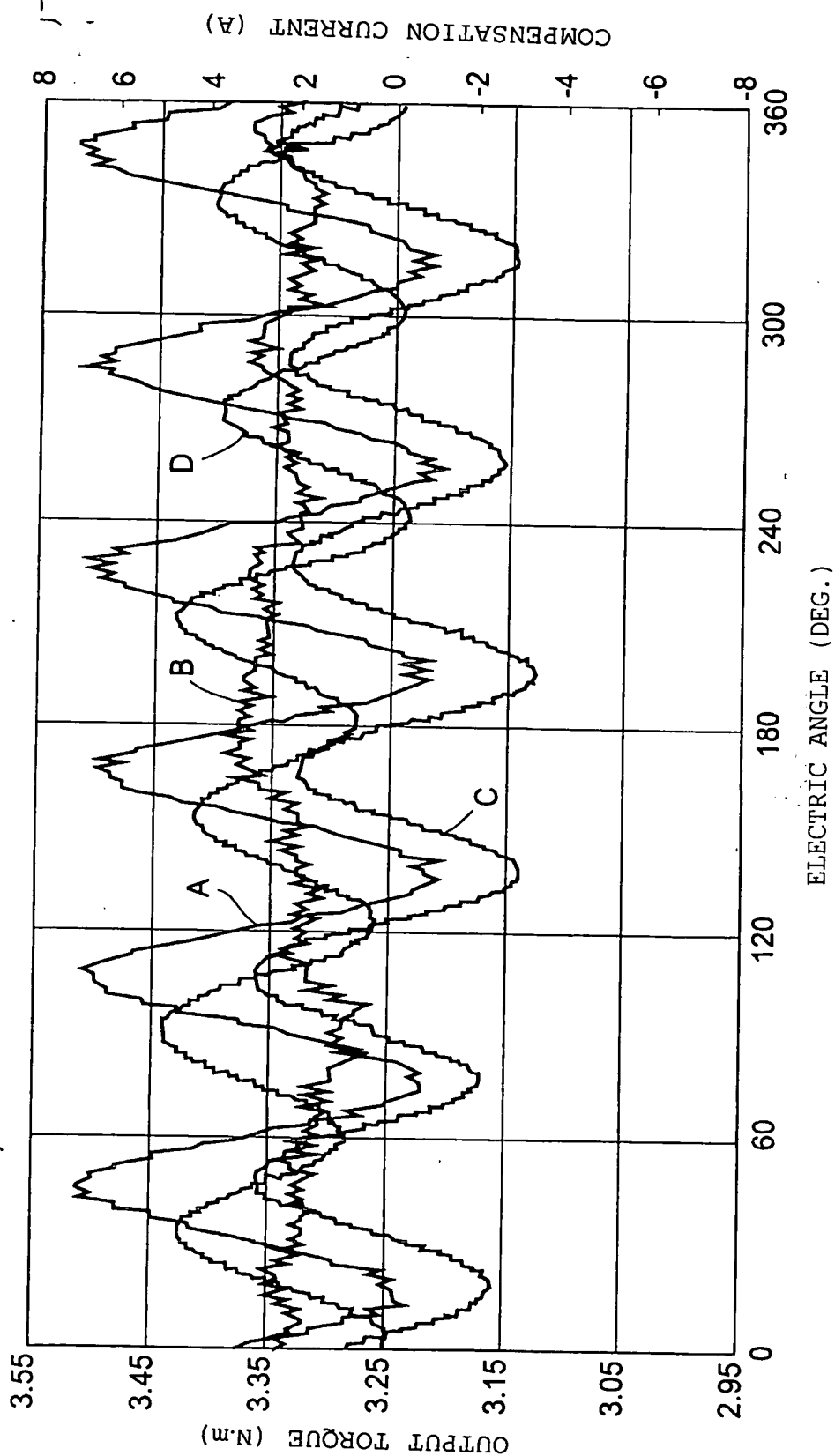
A: OUTPUT TORQUE (WITHOUT COMPENSATION; SET VALUE: +1 N.m)

B: OUTPUT TORQUE (WITH COMPENSATION; SET VALUE: +1 N.m)

C: q-AXIS COMPENSATION CURRENT

D: d-AXIS COMPENSATION CURRENT

Fig. 9



- A OUTPUT TORQUE (WITHOUT COMPENSATION; SET VALUE: +3 N.m)
- B OUTPUT TORQUE (WITH COMPENSATION; SET VALUE: +3 N.m)
- C q-AXIS COMPENSATION CURRENT
- D d-AXIS COMPENSATION CURRENT